

## Special Issue

# Advances in Marine-Based Functional Food and Food Technology

### Message from the Guest Editors

Marine organisms are an important source of functional compounds, such as polysaccharides, lipids, phenolic compounds, vitamins and minerals. This diversity presents a myriad of potentially beneficial functions, such as antimicrobial, antioxidant, and lipid-lowering properties that can be applied to food processing, conservation and innovative formulations. Nowadays, through marine biotechnology research, the biomolecules derived from marine organisms are studied and commercialized, creating several applications in the food industry, including natural-based pigments, food preservatives, nutritional value additions to foods, and more recently, their biodegradable packaging. This Special Issue of *Applied Sciences* will explore the integrative evaluation of marine resources as a sustainable source of food and food technologies to promote better practices along the entire chain, from the raw material to the consumer, with a particular focus on food preservatives and bio-based technologies that prolong the shelf-life and increase the food quality.

---

### Guest Editors

Dr. Ana Augusto

Dr. Susana F. J. Silva

Dr. Marco Lemos

Dr. Patrícia Valentão

---

### Deadline for manuscript submissions

closed (20 February 2025)



## Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/si/195142](https://mdpi.com/si/195142)

*Applied Sciences*  
Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland  
Tel: +41 61 683 77 34  
[applsci@mdpi.com](mailto:applsci@mdpi.com)

[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)





# Applied Sciences

---

an Open Access Journal  
by MDPI

---

Impact Factor 2.5  
CiteScore 5.5



[mdpi.com/journal/  
applsci](https://mdpi.com/journal/applsci)



## About the Journal

### Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

---

### Editor-in-Chief

Prof. Dr. Giulio Nicola Cerullo  
Dipartimento di Fisica, Politecnico di Milano, Piazza L. da Vinci 32,  
20133 Milano, Italy

---

### Author Benefits

#### Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

#### High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPIus / SciFinder, and other databases.

#### Journal Rank:

JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering )